

WHAT IS CLAIMED IS:

1. A porous polyolefin film which comprises a polyolefin containing an inorganic filler and a wax of polyolefin series, the film being provided with micropores originated from the inorganic filler, a water vapor transmission rate of at least  $1000 \text{ g/m}^2 \cdot 24 \text{ hours}$ , a light transmission of at least 65%, and a tear strength of at least 0.6 N, and the film having a uniform moisture permeability throughout.

2. A porous polyolefin film according to claim 1, wherein a resin composition constituting the film is comprised of 100 parts by weight of the polyolefin, 50-150 parts by weight of the inorganic filler having a 50% median diameter of at least  $2 \text{ } \mu\text{m}$  but less than  $7 \text{ } \mu\text{m}$  measured according to the light scattering method, and 2-20 parts by weight of the wax of polyolefin series.

3. A porous polyolefin film according to claim 1 or 2, wherein the polyolefin contains a linear low density polyethylene as a predominant component.

4. A porous polyolefin film according to claim 1 or 2, wherein the wax of polyolefin series is a low molecular weight polyethylene or a low molecular weight of polypropylene.

5. A porous polyolefin film according to claim 1, wherein the film is a biaxially stretched film.

6. A process for producing a porous polyolefin film which comprises stretching an unstretched polyolefin film having a resin composition of 100 parts by weight of polyolefin, 50-150 parts by weight of an inorganic filler having a 50% median diameter of at least  $2 \text{ } \mu\text{m}$  but less than  $7 \text{ } \mu\text{m}$  measured according to the light-

scattering method, and 2-20 parts by weight of a wax of polyolefin series in at least uniaxial direction at an area magnification of 1.1-1.5 times.

7. A process for producing a porous polyolefin film according to claim 6, wherein the porous polyolefin film has a water vapor transmission rate of at least  $1000 \text{ g/m}^2 \cdot 24 \text{ hours}$ , a light transmission of at least 65%, and a tear strength of at least 0.6 N and wherein the film has a uniform moisture permeability throughout.

8. A composite porous polyolefin film which is a laminate comprising the porous polyolefin film as set forth in claim 1 and a non-woven fabric of polyolefin series.

9. A composite porous polyolefin film according to claim 8, wherein the film has a light transmission of at least 65% and a water vapor transmission rate of at least  $1000 \text{ g/m}^2 \cdot 24 \text{ hrs}$ .

10. A back-sheet for disposable diapers which comprises the porous polyolefin film as set forth in claims 1-5 or the composite porous polyolefin film as set forth in claims 8 and 9.